



Substitute PTO/SB/08A (08-03)
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Substituted for form 1449A/PTO
(Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	13	Attorney Docket Number	A-72075/RMS/VEJ (469249-00405)
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U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
PSM	A1	3,586,484	06-22-1971	Anderson II, et al.	
	A2	3,748,975	07-31-1973	Tarabocchia	
	A3	4,200,110	04-29-1980	Peterson et al.	
	A4	4,448,485	05-15-1984	Bergman et al.	
	A5	4,499,052	02-12-1985	Fulwyler	
	A6	4,682,895	07-28-1987	Costello	
	A7	4,721,769	01-26-1988	Rubner	
	A8	4,729,949	03-08-1988	Weinreb et al.	
	A9	4,772,540	09-20-1988	Deutsch et al.	
	A10	4,785,814	11-22-1988	Kane	
	A11	4,822,746	04-18-1989	Walt	
	A12	4,824,789	04-25-1989	Yafuso et al.	
	A13	4,842,783	06-27-1989	Blaylock	
	A14	4,868,130	09-19-1989	Hargeaves	
	A15	4,879,097	11-07-1989	Whitehead et al.	
	A16	4,894,343	01-16-1990	Tanaka et al.	
	A17	4,895,805	01-23-1990	Sato et al.	
	A18	4,981,783	01-01-1991	Augenlicht	
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	A20	5,002,867	03-26-1991	Macevitz	
	A21	5,015,843	05-14-1991	Seitz et al.	
	A22	5,019,350	05-25-1991	Rhum et al.	
	A23	5,026,599	06-25-1991	Koskenmaki	
	A24	5,061,336	10-29-1991	Soane	
	A25	5,071,531	12-10-1991	Soane	
	A26	5,105,305	04-14-1992	Betzig et al.	
	A27	5,110,745	05-05-1992	Kricka et al.	
	A28	5,132,242	07-21-1992	Cheung	
	A29	5,135,627	08-04-1992	soane	
	A30	5,143,853	09-01-1992	Walt	
	A31	5,152,287	10-06-1992	Kane	
	A32	5,176,881	01-05-1993	Sepaniak et al.	
	A33	5,177,012	01-05-1993	Kim et al.	
	A34	5,185,178	02-09-1993	Koskenmaki	
	A35	5,185,243	02-09-1993	Ullman et al.	

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Substitute for form 1449A/PTO (Modified)				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number 10/762,931	
Sheet	2	of	13	Filing Date January 21, 2004	
				First Named Inventor HEINER, David	
				Art Unit 1764	
				Examiner Name To Be Assigned	
				Attorney Docket Number A-72075/RMS/VEJ (469249-00405)	

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
PSN	A36	5,194,300	03-16-1993	Cheung	
	A37	5,222,092	06-22-1996	Hench et al.	
	A38	5,244,636	09-14-1993	Walt et al.	
	A39	5,244,813	09-14-1993	Walt et al.	
	A40	5,250,264	10-05-1993	Walt et al.	
	A41	5,252,494	12-21-1993	Weinreb et al.	
	A42	5,296,375	03-22-1994	Kricka et al.	
	A43	5,298,741	03-29-1994	Walt et al.	
	A44	5,302,509	04-12-1994	Cheeseman	
	A45	5,304,487	04-19-1994	Wilding et al.	
	A46	5,308,771	05-03-1994	Zhou et al.	
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	A48	5,320,814	06-14-1994	Walt et al.	
	A49	5,338,831	08-16-1994	Lebl et al.	
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	A52	5,357,590	10-18-1994	Auracher	
	A53	5,481,629	01-02-1996	Tabuchi	
	A54	5,486,335	01-23-1996	Wilding et al.	
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	A56	5,496,997	03-05-1996	Pope	
	A57	5,498,392	03-12-1996	Wilding et al.	
	A58	5,506,141	04-09-1996	Weinreb et al.	
	A59	5,512,490	04-30-1996	Walt et al.	
	A60	5,516,635	05-14-1996	Ekins et al.	
	A61	5,518,863	05-21-1996	Pawluczyk	
	A62	5,537,000	07-16-1996	Alivisatos et al.	
	A63	5,541,311	07-30-1996	Dahlberg et al.	
	A64	5,545,531	08-13-1996	Rava et al.	
	A65	5,554,516	09-10-1996	Kacian et al.	
	A66	5,585,069	12-17-1996	Zanzucchi et al.	
	A67	5,587,128	12-24-1996	Wilding et al.	
	A68	5,589,351	12-31-1996	Harootunian	
	A69	5,593,838	01-14-1997	Zanzucchi et al.	

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				Art Unit	1764
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PSM	A70	5,595,915	01-21-1997	Geysan	
	A71	5,603,351	02-18-1997	Cherukuri et al.	
	A72	5,604,097	02-18-1997	Brenner	
	A73	5,610,287	03-11-1997	Nikiforov	
	A74	5,631,170	05-20-1997	Attridge	
	A75	5,631,337	05-20-1997	Sassi et al.	
	A76	5,632,876	05-27-1997	Zanzucchi et al.	
	A77	5,632,957	05-27-1997	Heller et al.	
	A78	5,633,972	05-27-1997	Wilding et al.	
	A79	5,637,469	06-10-1997	Wilding et al.	
	A80	5,639,603	06-17-1997	Dower et al.	
	A81	5,640,234	06-17-1997	Roth et al.	
	A82	5,643,738	07-01-1997	Zanzucchi et al.	
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	A84	5,649,576	07-22-1997	Kirk et al.	
	A85	5,656,241	08-12-1997	Seifert et al.	
	A86	5,656,815	08-12-1997	Justus et al.	
	A87	5,671,303	09-23-1997	Shieh et al.	
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	A89	5,677,196	10-14-1997	Herron et al.	
	A90	5,681,484	10-28-1997	Zanzucchi et al.	
	A91	5,690,894	11-25-1997	Pinkel et al.	
	A92	5,702,915	12-30-1997	Miyamoto	
	A93	5,714,330	02-03-1998	Brenner et al.	
	A94	5,726,026	03-10-1998	Wilding et al.	
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	A97	5,750,015	05-12-1998	Soane et al.	
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	A99	5,755,942	05-26-1998	Zanzucchi et al.	
	A100	5,763,175	06-09-1998	Brenner	
	A101	5,770,029	06-23-1998	Nelson et al.	
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	A103	5,780,231	07-14-1998	Brenner	
1	A104	5,795,714	08-18-1998	Cantor et al.	

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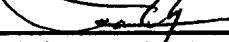
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PSH	A105	5,795,716	08-18-1998	Chee et al.	
	A106	5,814,524	09-29-1998	Walt et al.	
	A107	5,830,711	11-03-1998	Barany et al.	
	A108	5,837,196	11-17-1998	Pinkel et al.	
	A109	5,840,256	11-24-1998	Demers et al.	
	A110	5,843,655	12-01-1998	McGall	
	A111	5,846,842	12-08-1998	Herron et al.	
	A112	5,849,215	12-15-1998	Gin et al.	
	A113	5,854,033	12-29-1998	Lizardi	
	A114	5,854,684	12-29-1998	Stabile et al.	
	A115	5,856,083	01-05-1999	Chelsky et al.	
	A116	5,858,732	01-05-1999	Solomon et al.	
	A117	5,863,708	01-26-1999	Zanzucchi et al.	
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	A119	5,866,331	02-02-1999	Singer et al.	
	A120	5,874,219	02-23-1999	Rava et al.	
	A121	5,876,924	03-02-1999	Zhang et al.	
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	A123	5,888,885	03-30-1999	Xie	
	A124	5,900,481	05-04-1999	Lough et al.	
	A125	6,005,707	12-21-1999	Berggren et al.	
	A126	6,008,892	12-28-1999	Kain et al	
	A127	6,023,540	02-08-2000	Walt et al.	
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	A133	6,054,564	04-25-2000	Barany et al.	
	A134	6,071,748	06-06-2000	Modin et al.	
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	A136	6,083,763	07-04-2000	Balch	
	A137	6,087,114	07-11-2000	Rider	

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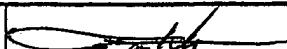
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PSM	A138	6,090,549	07-18-2000	Mirzabekov et al.	
	A139	6,096,496	08-01-2000	Frankel	
	A140	6,100,973	08-08-2000	Lawandy	
	A141	6,121,054	09-19-2000	Lebl	
	A142	6,121,075	09-19-2000	Yamashita	
	A143	6,129,896	10-10-2000	Noonan et al	
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	A146	6,172,218 B1	01-09-2001	Brenner	
	A147	6,200,737	03-13-2001	Walt et al.	
	A148	6,207,392 B1	03-27-2001	Weiss et al.	
	A149	6,210,910 B1	04-03-2001	Walt et al.	
	A150	6,251,639 B1	06-26-2001	Kurn	
	A151	6,261,782 B1	07-17-2001	Lizardi et al.	
	A152	6,266,459 B1	07-24-2001	Walt et al.	
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	A155	6,274,323 B1	08-14-2001	Bruchez et al.	
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	A157	6,306,643 B1	10-23-2001	Gentalen et al.	
	A158	6,327,410 B1	12-04-2001	Walt et al.	
	A159	6,355,431 B1	03-12-2002	Chee et al.	
	A160	6,663,832 B2	12-16-2003	Lebl et al.	
	A161	2003/0016897 A1	01-23-2003	Walt et al.	

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PSM	B1	EP 0 039 888 B1	11-18-1981	Schloemann Siemag AG		
	B2	EP 0 392 546 A2	10-17-1990	Ro Institut Za Molekularnu Genetik I Geneticko Inzenjerstvo		
	B3	EP 0 539 888 A1	05-05-1993	Shimadzu Corp.		

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PSM	B4	EP 0 572 157 A1	12-01-1993	Puritan-Bennett Corp.	T ⁶
	B5	EP 0 799 897 A1	10-08-1997	Affymetrix, Inc.	
	B6	EP 1 128 310 A2/A3	08-29-2001	Agilent Technologies, Inc.	
	B7	FR 2 741 357 A1	05-23-1997	Corning Inc.	
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	B12	WO 93/18434 A1	09-16-1993	E.I. Du Pont de Nemours & Co.	
	B13	WO 93/25563 A1	12-23-1993	City of Hope	
	B14	WO 94/12863 A1	06-09-1994	Trustees of Tufts College	
	B15	WO 95/21271 A1	08-10-1995	Molecular Tool, Inc.	
	B16	WO 95/33070 A1	12-07-1995	New York Medical College	
	B17	WO 96/03212 A1	02-08-1996	Brenner, Sydney	
	B18	WO 96/04547 A1	02-15-1996	Lockheed Martin Energy Systems, Inc.	
	B19	WO 96/15271 A1	05-23-1996	Abbott Laboratories	
	B20	WO 96/36436 A1	11-21-1996	Irori	
	B21	WO 97/12030 A1	04-03-1997	Nanogen, Inc.	
	B22	WO 97/13870 A1	04-17-1997	Heller, Adam	
	B23	WO 97/14028 A2, A3	04-17-1997	Luminex Corp.	
	B24	WO 97/31256 A2, A3	08-28-1997	Cornell Res. Foundation, Inc.	
	B25	WO 97/45559 A1	12-04-1997	Cornell Res. Foundation, Inc.	
	B26	WO 97/46704 A1	12-11-1997	Lynx Therapeutics, Inc.	
	B27	WO 98/08092 A1	02-28-1998	SmithKline Beecham Corp.	
	B28	WO 98/13523 A1	04-02-1998	Pyrosequencing AB	
	B29	WO 98/29736 A1	07-09-1998	Genometrix Inc.	
	B30	WO 98/31836 A1	07-23-1998	Hyseq, Inc.	
	B31	WO 98/40726 A1	09-17-1998	Trustees of Tufts College	

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Substitute for form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
				Application Number	10/762,931
				Filing Date	January 21, 2004
				First Named Inventor	HEINER, David
				Art Unit	1764
				Examiner Name	To Be Assigned
Sheet	7	of	13	Attorney Docket Number	A-72075/RMS/VEJ (469249-00405)

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² Number ³ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
PSM	B32	WO 98/46797 A1	10-22-1998	Immunological Associates of Denver	
	B33	WO 98/50782 A2, A3	11-12-1998	Trustees of Tufts College	
	B34	WO 98/53093 A1	11-26-1998	Bioarray Solutions LLC	
	B35	WO 99/00663 A1	01-07-1999	California Institute of Technology	
	B36 *	WO 99/04228 A2/A3	01-28-1999	LJL BioSystems, Inc.	
	B37	WO 99/05320 A1	02-04-1999	Rapigene, Inc.	
	B38	WO 99/09394 A1	02-25-1999	Alexion Pharmaceuticals, Inc.	
	B39	WO 99/18434 A1	04-15-1999	Trustees of Tufts College	
	B40	WO 99/34931 A1	07-15-1999	Cartesian Technologies, Inc.	
	B41	WO 99/39001 A2	08-05-1999	Amersham Pharmacia Biotech AB	
	B42	WO 99/64867 A1	12-16-1999	Amersham Pharmacia Biotech UK Ltd.	
	B43	WO 99/67414 A1	12-29-1999	Glaxo Group Ltd.	
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	B45	WO 00/39587 A1	07-06-2000	Illumina, Inc.	
	B46	WO 00/44491 A2/A3	08-03-2000	Illumina, Inc.	
	B47	WO 00/47767 A1	08-17-2000	AstraZeneca UK Ltd.	
	B48	WO 00/47996 A2/A3	08-17-2000	Illumina, Inc.	
	B49 *	WO 02/04123 A1	01-17-2002	Robodesign International, Inc.	
	B50 *	WO 02/16040 A1	02-28-2002	The University of Chicago	

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PSM	C1	ABEL, A.P., et al., "Fiber-optic evanescent wave biosensor of oligonucleotides," <i>Anal. Chem.</i> 68(17):2905-2912 (Sep. 1996).			
	C2	ANGEL, S.M., "Optrodes: Chemically Selective Fiber-Optic Sensors," <i>Spectroscopy</i> 2(4):38-47 (1987).			
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PS4	C4	BEN-DOR, A., et al., "Universal DNA Tag Systems: A combinatorial design scheme," <i>J. Comput. Biol.</i> 7(3/4):503-519 (2000).	
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	C6	CAREY, W.P., et al., "Chemical piezoelectric sensor and sensor array characterization," <i>Anal. Chem.</i> 58(14):3077-3084 (Dec. 1986).	
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				Art Unit	1764
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PSH	C23	DRMANAC, R., et al., "Sequencing by Oligonucleotide Hybridization: A Promising Framework in Decoding of the Genome Program," <i>The 1st Int'l. Conf. Electrophoresis Supercomputing and the Human Genome</i> , Proceeding of the April 10-13, 1990 Conference, Florida State University (Cantor, C., and Lim, H., eds).			
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	C29	FUH, M., "Single Fibre Optic Fluorescence pH Probe," <i>Analyst</i> 112():1159-1163 (1987).			
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	C35	GUNDERSON, K.L., "Mutation detection by ligation to complete n-mer DNA arrays," <i>Genome Res.</i> 8(11):1142-1153 (Nov. 1998).			
	C36	HAFEMAN, D.G., et al., "Light-addressable potentiometric sensor for biochemical systems," <i>Science</i> 240(4856):1182-1184 (May 1988).			
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	C40	HOGAN, B.L., et al., "Single-cell analysis at the level of a single human erythrocyte," <i>Trends Anal. Chem.</i> 12(1):4-9 (1993).			

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PSH	C41	HSUIH, T., et al., "Novel, ligation-dependent PCR assay for detection of hepatitis C virus in serum," <i>J. Clin. Microbiol.</i> 34(3):501-507 (Mar. 1996).	T ^a		
	C42	HUANG, L., et al., "Exploring single-cell dynamics using chemically-modified microelectrodes," <i>Trends Anal. Chem.</i> 14(4):158-164 (1995).			
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	C47	JACOBS, J., et al., "Combinatorial chemistry - applications of light-directed chemical synthesis," <i>Trends Biotechnol.</i> 12(1):19-26 (Jan. 1994).			
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	C52	LIN, Z., et al., "Multiplex genotype determination at a large number of gene loci," <i>Proc. Natl. Acad. Sci. USA</i> 93(6):2582-2587 (Mar. 1996).			
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PSM	C60	MICHAEL, K., et al., "Fabrication of Micro- and Nanostructures Using Optical Imaging Fibers and Their Use as Chemical Sensors," <i>Proc. 3rd Intl. Symp., Microstructures Microfabricated Systs.</i> , (Hersketh, P.J., et al. (eds.), <i>Electrochem. Soc.</i> 97(5):152-157 (Aug. 1997).			
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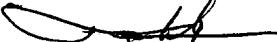
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Substitute for form 1449A/PTO (Modified)				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number 10/762,931	
Sheet	12	of	13	Filing Date January 21, 2004	
				First Named Inventor HEINER, David	
				Art Unit 1764	
				Examiner Name To Be Assigned	
				Attorney Docket Number A-72075/RMS/VEJ (469249-00405)	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
PSM	C79	PLUNKETT, M., et al., "Combinatorial chemistry and new drugs," <i>Sci. Am.</i> 276(4):69-73 (Apr. 1997).			
	C80	POPE, E., "Fiber optic chemical microsensors employing optically active silica microspheres," <i>SPIE Proc.</i> 2388():245-256 (1995).			
	C81	RAHMANI, H., et al., "Adaptation of the Cellscan Technique for the SCM Test in Breast Cancer," <i>Eur. J. Cancer</i> 32A(10):1758-1765 (Sep. 1996).			
	C82	RAMANATHAN, S., et al., "Sensing antimonite and arsenite at the subattomole level with genetically engineered bioluminescent bacteria," <i>Anal. Chem.</i> 69(16):3380-3384 (Aug. 1997).			
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	C85	ROSENZWEIG, Z., et al., "Analytical properties of miniaturized oxygen and glucose fiber optic sensors," <i>Sens. Actuators B</i> (35-36):475-483 (1996).			
	C86	SAARI, L., et al., "pH sensor based on immobilized fluoresceinamine," <i>Anal. Chem.</i> 54(4):821-823 (Apr. 1982).			
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	C93	SYVÄNEN, A., et al., "Detection of point mutations in human genes by the solid-phase minisequencing method," <i>Clin. Chim. Acta</i> 226(2):225-236 (May 1994).			
	C94	TONG, W., et al., "Monitoring single-cell pharmacokinetics by capillary electrophoresis and laser-induced native fluorescence," <i>J. Chromatogr. B</i> 689(2):321-325 (Feb. 1997).			
	C95	TSIEN, R.Y., "Fluorescent Probes of Cell Signaling," <i>Annu. Rev. Neurosci.</i> 12():227-253 (1989).			
	C96	VENTON, D., et al., "Screening combinatorial libraries," <i>Chemometrics and Intelligent Laboratory Systems</i> , pp. 131-150, Elsevier Science Publishers: Amsterdam, NL (1999).			
	C97	VERGNE, I., et al., "Phagosomal pH determination by dual fluorescence flow cytometry," <i>Anal. Biochem.</i> 255(1):127-132 (Jan. 1998).			

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				Filing Date	January 21, 2004
				First Named Inventor	HEINER, David
				Art Unit	1764
				Examiner Name	To Be Assigned
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PSH	C98	WALT, D., "Fiber Optic Imaging Sensors," <i>Acc. Chem. Res.</i> 31(5):267-278 (1998).	
	C99	WALT, D., "Fiber-optic sensors for continuous clinical monitoring," <i>Proc. IEEE</i> 80(6):903-911 (1992).	
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	C102	WIGHTMAN, R.M., et al., "Temporally resolved catecholamines spikes correspond to single vesicle release from individual chromaffin," <i>Proc. Natl. Acad. Sci. USA</i> 88(23):10754-10758 (Dec. 1991).	
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	C110	ZHUJUN, Z., et al., "A Fluorescence Sensor for Quantifying pH in the Range for 6.5 to 8.5," <i>Anal. Chim. Acta</i> 160:47-55 (1984).	
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